Name:

p1105: Factoring when $a = $ prime (v39)

1. Factor the expression $7x^2 + 53x - 24$

$$(7x - 3)(x + 8)$$

2. Factor the expression $11x^2 + 69x - 56$

$$(11x - 8)(x + 7)$$

3. Factor the expression $5x^2 + 18x + 9$

$$(5x + 3)(x + 3)$$

4. Factor the expression $3x^2 - 4x - 4$

$$(3x + 2)(x - 2)$$

5. Factor the expression $11x^2 + 79x - 72$

$$(11x - 9)(x + 8)$$

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6. Factor the expression $11x^2 + 57x + 10$

$$(11x + 2)(x + 5)$$

7. Factor the expression $11x^2 + 20x + 9$

$$(11x + 9)(x + 1)$$

8. Factor the expression $5x^2 + 46x + 9$

$$(5x + 1)(x + 9)$$

9. Factor the expression $3x^2 - 26x + 35$

$$(3x - 5)(x - 7)$$

10. Factor the expression $7x^2 - 5x - 18$

$$(7x + 9)(x - 2)$$